

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D350-600 REV. E OR EARLIER AND
INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-600 REV. 5 OR EARLIER

REF. TCCA STC: SH93-88

REF. FAA STC: SR00098NY

REF. EASA STC: EASA.IM.R.S.01292

PURPOSE:

For D350-600-041/-042 and D355-600-043 Spacepod Installations, the DSI-9528-011/-012 Spacepod Floor Modification Kits are available to change the composite floor to an aluminum floor, which may be required if there is extensive damage to composite floors of the original spacepods.

INSTALLATION:

To install the DSI-9528-011/-012 kits:

- 1) Trim the existing composite floor in the D2177-1/-2/-3 Spacepod Body flush with the aircraft opening. Reference Figure 2 of this service instruction.
- 2) Cover exposed foam/fiberglass using 2 layers of 9oz cloth and laminating resin per QSI 037.
- 3) Locate pod in position on aircraft so the pod floor is level with the aircraft floor.
- 4) Locate the D3187-1/-2 Floor in pod and aircraft to pick up existing aircraft fastening locations (8 PL). Reference Figure 3 of this service instruction.
- 5) Transfer attachment holes from D3187-1/-2 Floor to the D2177-1/-2/-3 Spacepod Body (28 PL).
- 6) Remove floor and open holes in pod to Ø0.297". Holes only need to be deep enough to penetrate composite layer of spacepod floor. Be careful not to drill completely through the spacepod floor.
- 7) Install AELS-1032-130 inserts (28 PL) so that they pull up into the composite layer of the spacepod floor. Reference Figure 3 and 4 of this service instruction.
- 8) Attach D3187-1/-2 Floor to spacepod floor using AN525-10R7 screws.
- 9) Complete spacepod installation in accordance with IIN-D350-600.

PARTS LIST

QTY -011	QTY -012	PART NUMBER	DESCRIPTION	FOR INSTALL ON:
X		DSI-9528-011	SPACEPOD FLOOR MODIFICATION KIT, LH	D350-600-041/ D355-600-043
	X	DSI-9528-012	SPACEPOD FLOOR MODIFICATION KIT, RH	D350-600-042
1		D3187-1	FLOOR	
	1	D3187-2	FLOOR	
28	28	AELS-1032-130	INSERT (OR ALS4-1032-130, OR ALS7-1032-130, OR AKS7-1032-130)	
28	28	AN525-10R7	SCREW	

WEIGHT & BALANCE






This change has negligible effect on aircraft weight and balance.

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: 
D. SHEPHERD (DE # 02)

DATE: 10.07.05
CERT. NO.: SH93-88
ISSUE NO.: 6

A	NEW ISSUE	CP	10.07.05
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN			
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9528	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		SPACEPOD FLOOR MOD.	NTS
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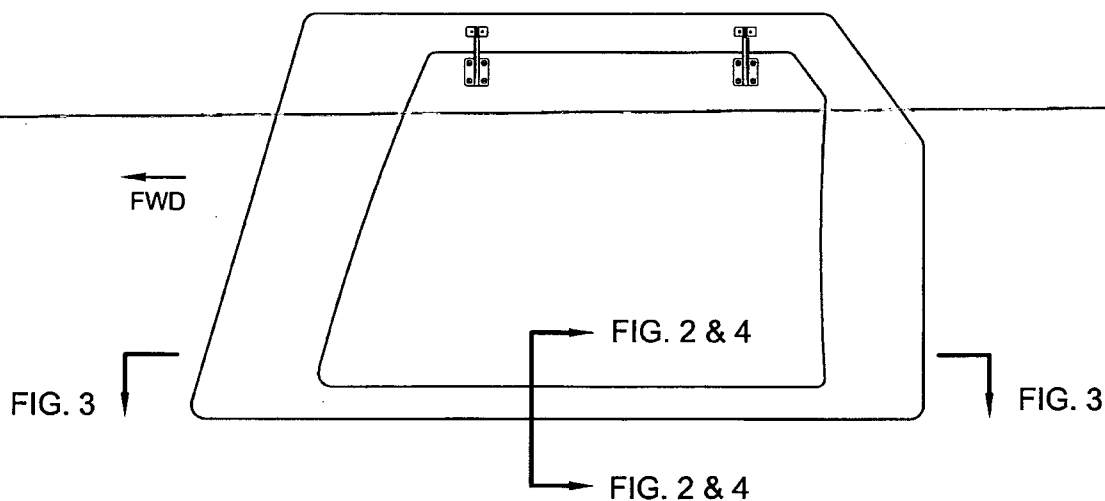


FIGURE 1: D350-600-041 SPACEPOD, LH (SHOWN)
D350-600-042 SPACEPOD, RH (OPPOSITE)
D355-600-043 SPACEPOD, LH (SIMILAR)
 (VIEW LOOKING INBOARD AT SIDE OF SPACEPOD)

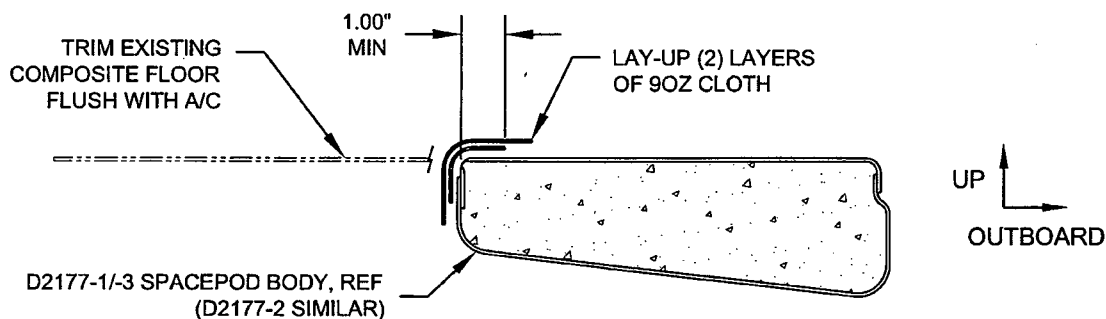


FIGURE 2: FLOOR TRIMMING / COMPOSITE LAY-UP DETAIL
 (VIEW LOOKING AFT AT LH SPACEPOD FLOOR X-SECTION)

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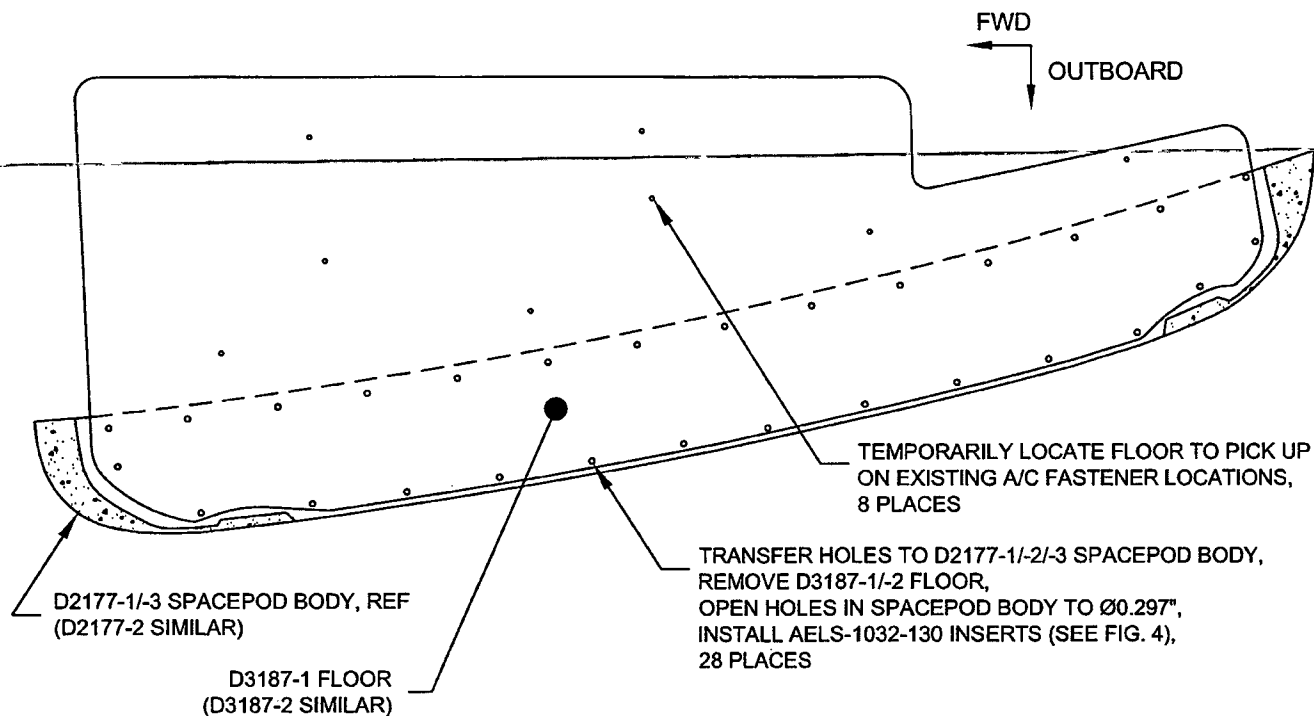


FIGURE 3: TRANSFERING FLOOR HOLES TO SPACEPOD
(VIEW LOOKING DOWN AT LH SPACEPOD FLOOR)

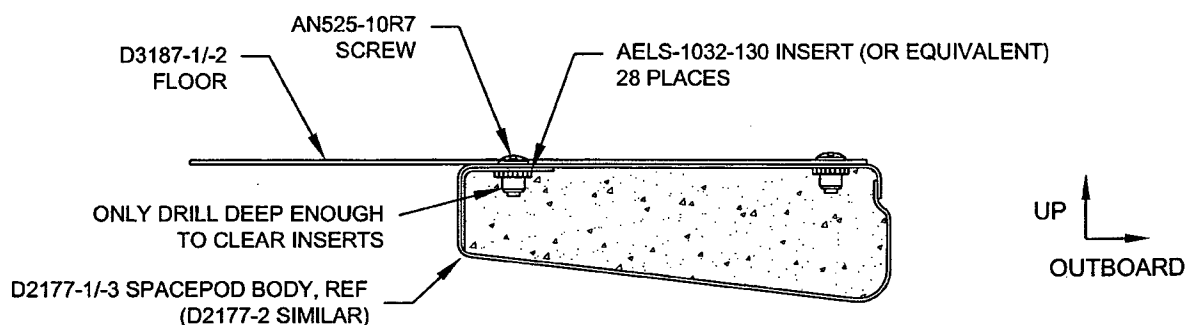


FIGURE 4: INSERT DETAIL
(VIEW LOOKING AFT AT LH SPACEPOD FLOOR X-SECTION)

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